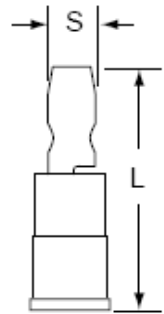


# 3M™ Scotchlok™ Terminals

MNG18-180DM-A, MNG14-180DM-A,  
Male Snap Plug, Nylon Insulated with  
Insulation Grip



Data Sheet

October 2008

Product Number	Wire Range (AWG)	Mating Snap Diameter S	L	Maximum Insulation Diameter
MNG18-180DM-A	22 – 18	0.180	0.87	.15
MNG14-180DM-A	16 – 14	0.180	0.87	.19

## Specifications

Wire Size:	See Table Above
Barrel Seam:	Butted with Insulation Grip
Maximum Voltage Rating:	300 V Building Wire
Maximum Operating Temp:	221°F (105°C)
Maximum Current:	Same as Wire
Insulator Material:	Nylon
Terminal Material:	Brass
Terminal Plating:	Tin

## Installation Information



### WARNING

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

Strip away the end 3/8 inch of wire insulation.

Make the crimp in the proper station of a recommended 3M™ Scotchlok™ Crimp Tool: TH-440, TH-450.



-  Barrel Crimp (Electrical)
-  Insulation Grip Crimp (Mechanical)

# 3M

# 3M™ Scotchlok™ Terminals MNG18-180DM-A, MNG14-180DM-A Male Snap Plug, Nylon Insulated with Insulation Grip

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**Engineering Specification** 3M™ Scotchlok™ Terminals MNG18-180DM-A and MNG14-180DM-A shall, electrically and mechanically, connect permanently to a pre-stripped end of a stranded copper wire, and have a round tongue portion for mating to a Snap Receptacle in a separable, reusable manner.

The connector line shall offer tongue variations sized to grip male tabs 0.156" and 0.180" diameter and barrel variations in wire (AWG) size (22-18, 16-14, 12-10) and construction (vinyl insulated, nylon insulated with insulation grip).

The separable connector formed by the paired Male Snap Plug and Female Snap Receptacle may require a suitable strain relief to prevent accidental separation.

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**Shelf-Life & Storage** These terminals have a 5-year shelf life from the date of manufacture when stored in humidity controlled storage between 50 & 80°F (10 & 27°C) and <75% RH.

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**Availability** Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1-800-245-3573.

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